

FIG. 1A

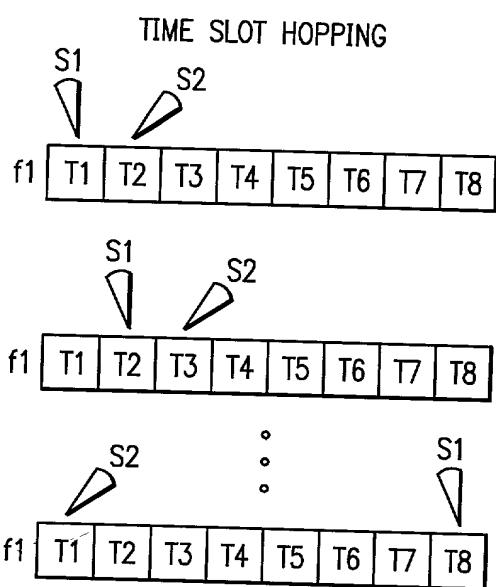
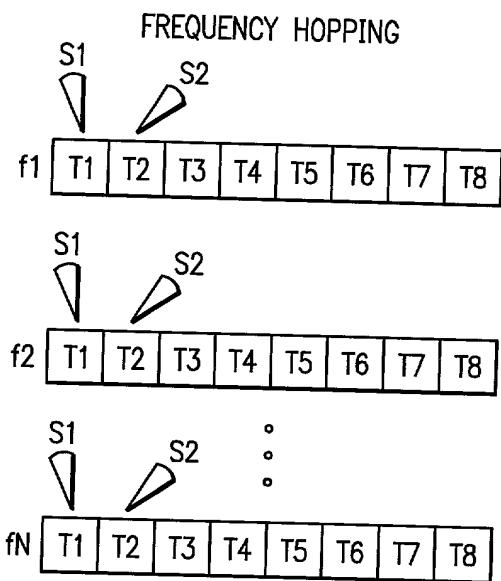
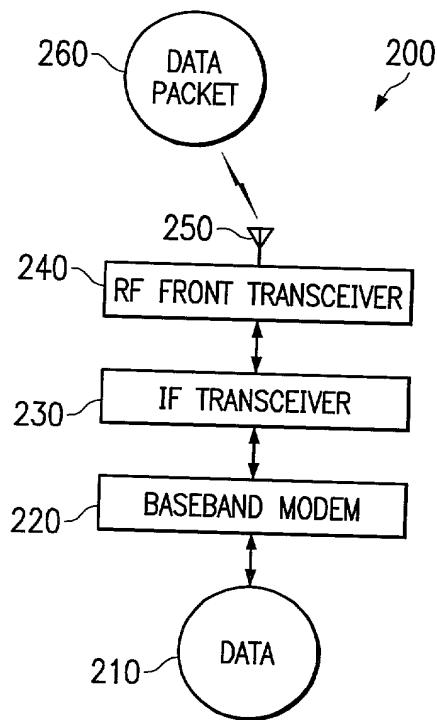


FIG. 1B

FIG. 2
(PRIOR ART)

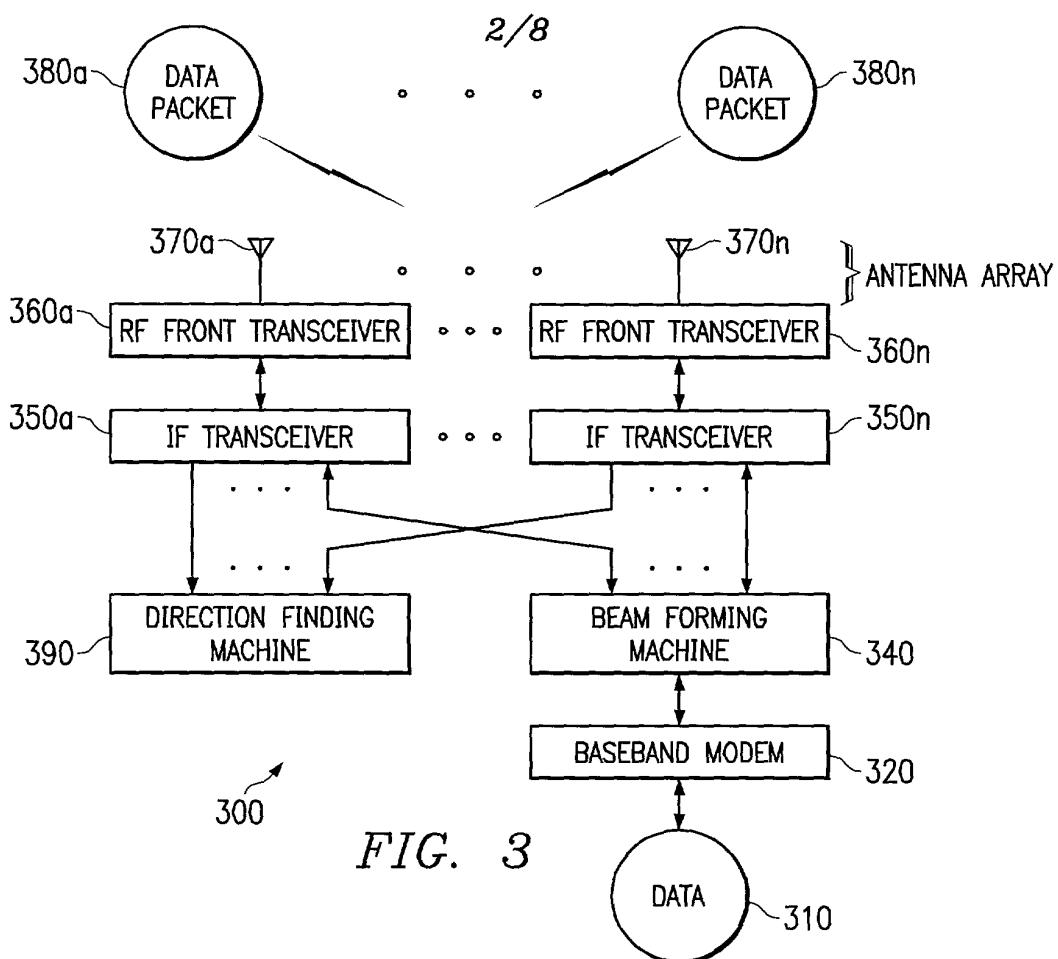


FIG. 3

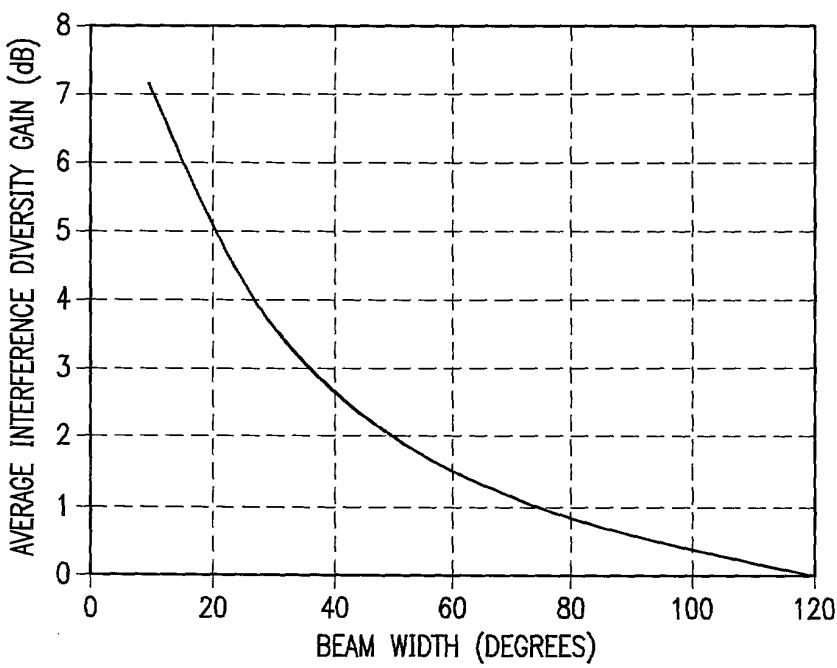
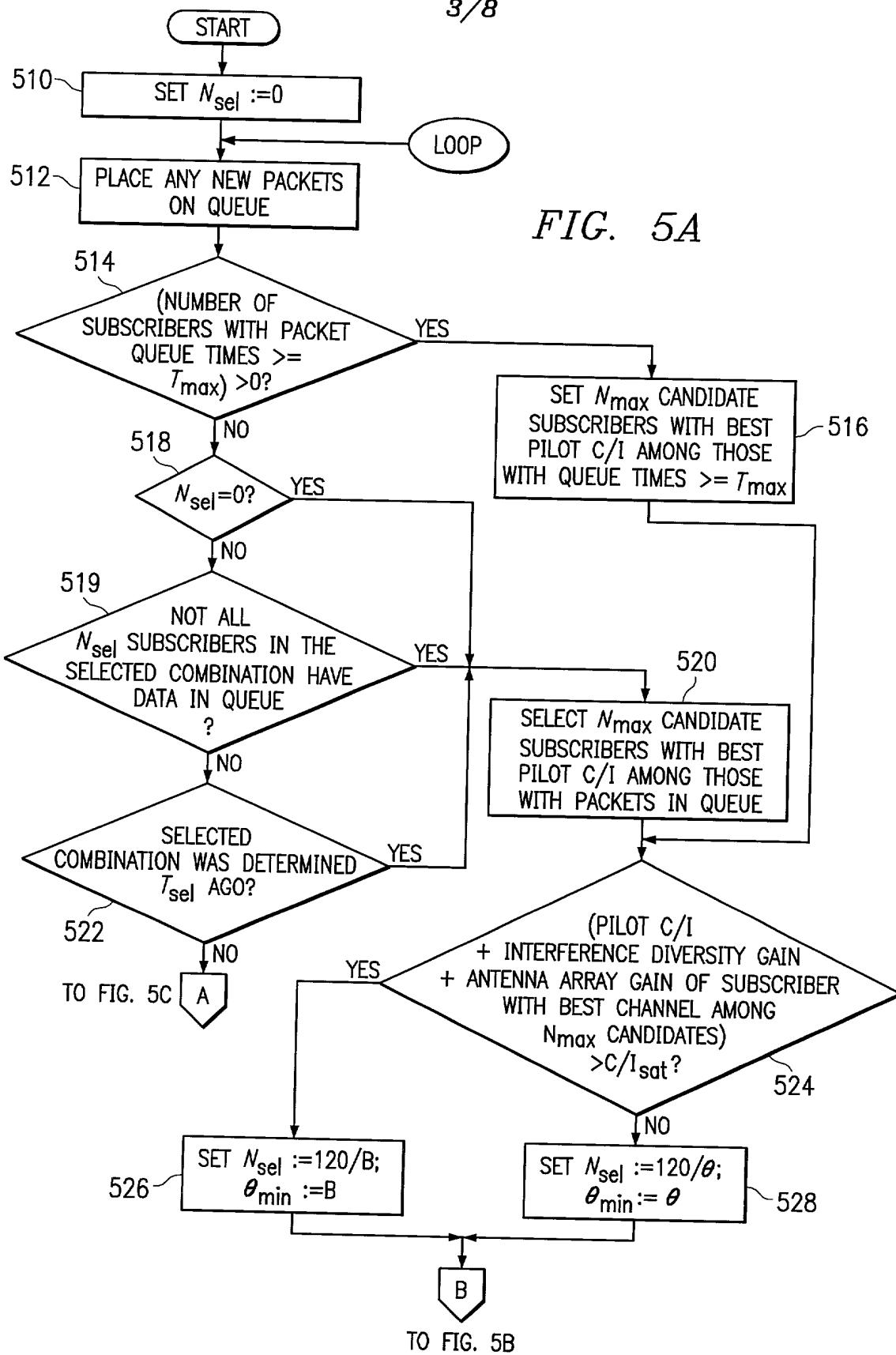
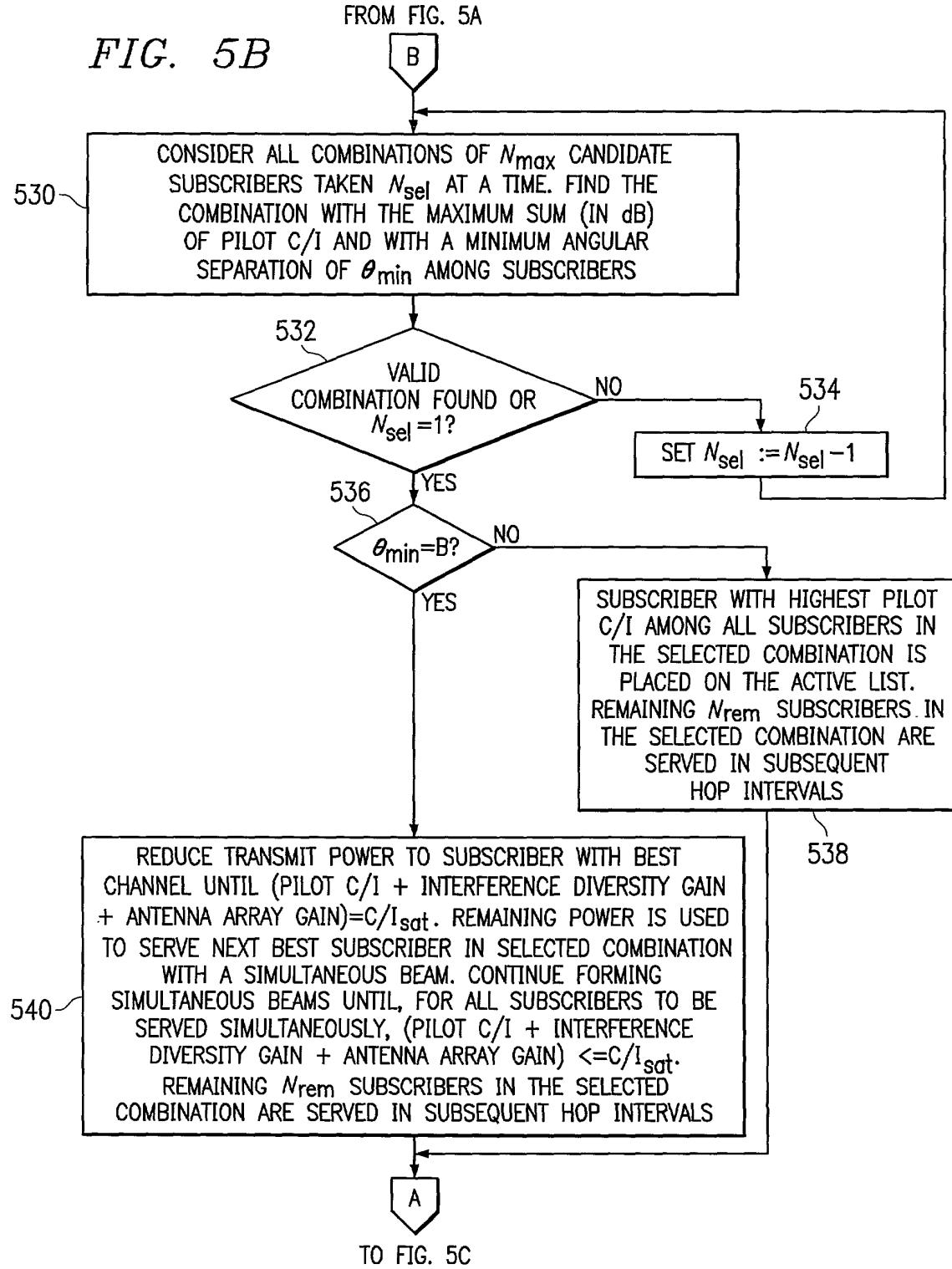


FIG. 4

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FROM FIG. 5A,5B

FIG. 5C

542

FOR EACH SUBSCRIBER k OUT OF N_{sub} TO BE SERVED SIMULTANEOUSLY IN CURRENT HOP INTERVAL, DETERMINE DATA RATE USING (PILOT C/I + INTERFERENCE DIVERSITY GAIN + ANTENNA ARRAY GAIN) AND TABLE OF REQUIRED C/I VERSUS DATA RATE. SET $k := 1$

544

$k \leq N_{\text{sub}}$?

YES

DATA RATE FOR SUBSCRIBER k > 0 ?

548

NO

(NUMBER OF CONSECUTIVE TIMES THAT DATA RATE=0 FOR SUBSCRIBER k) $\geq N_{\text{drop}}$?

552

YES

554

DROP SUBSCRIBER k . SET $k := k + 1$

546

TRANSMIT DATA TO SUBSCRIBERS IN ACTIVE LIST. INCREMENT HOP INTERVAL

LOOP

ADD SUBSCRIBER k TO ACTIVE LIST OF SUBSCRIBERS FOR TRANSMISSION IN CURRENT HOP INTERVAL. SET $k := k + 1$

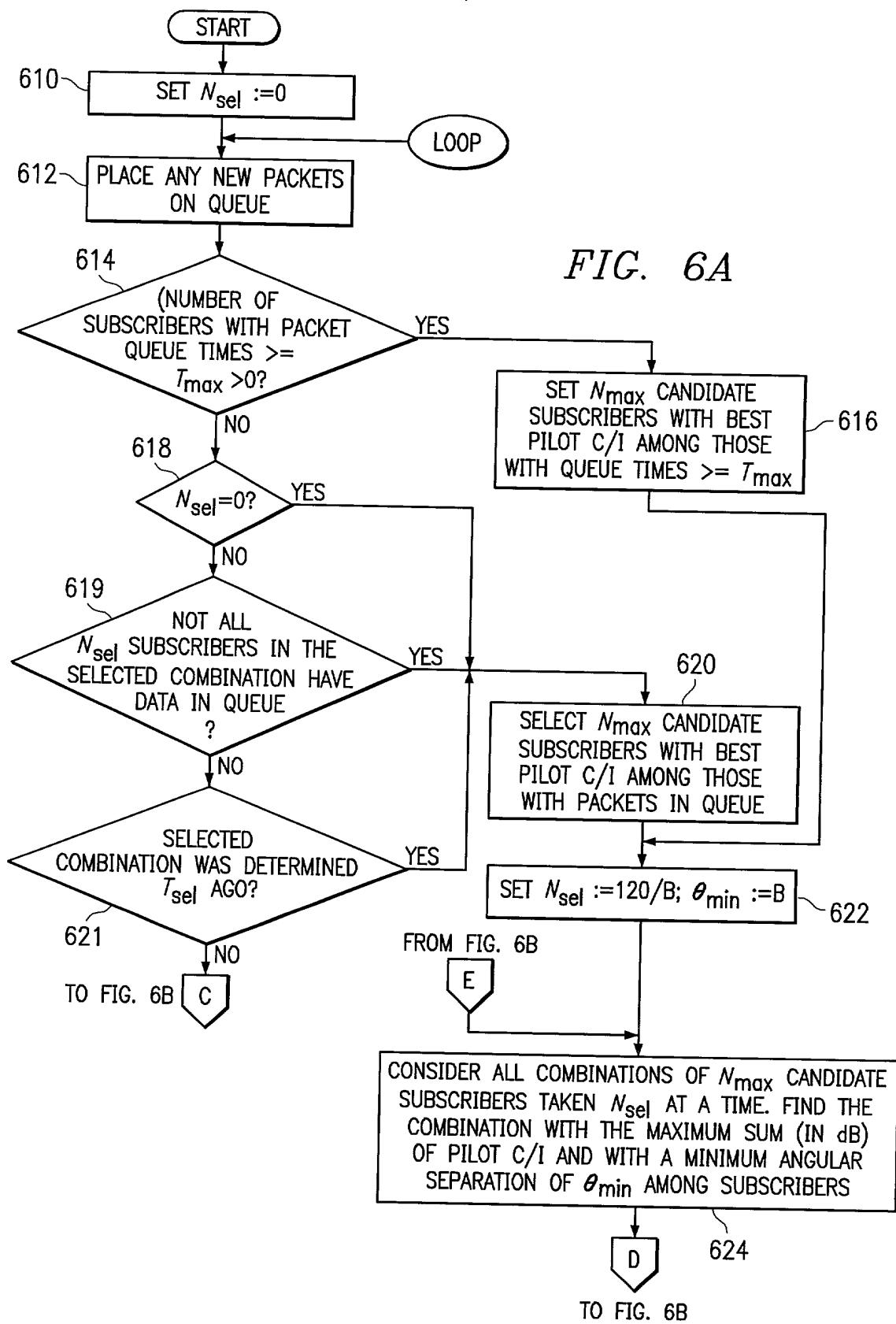
550

NO

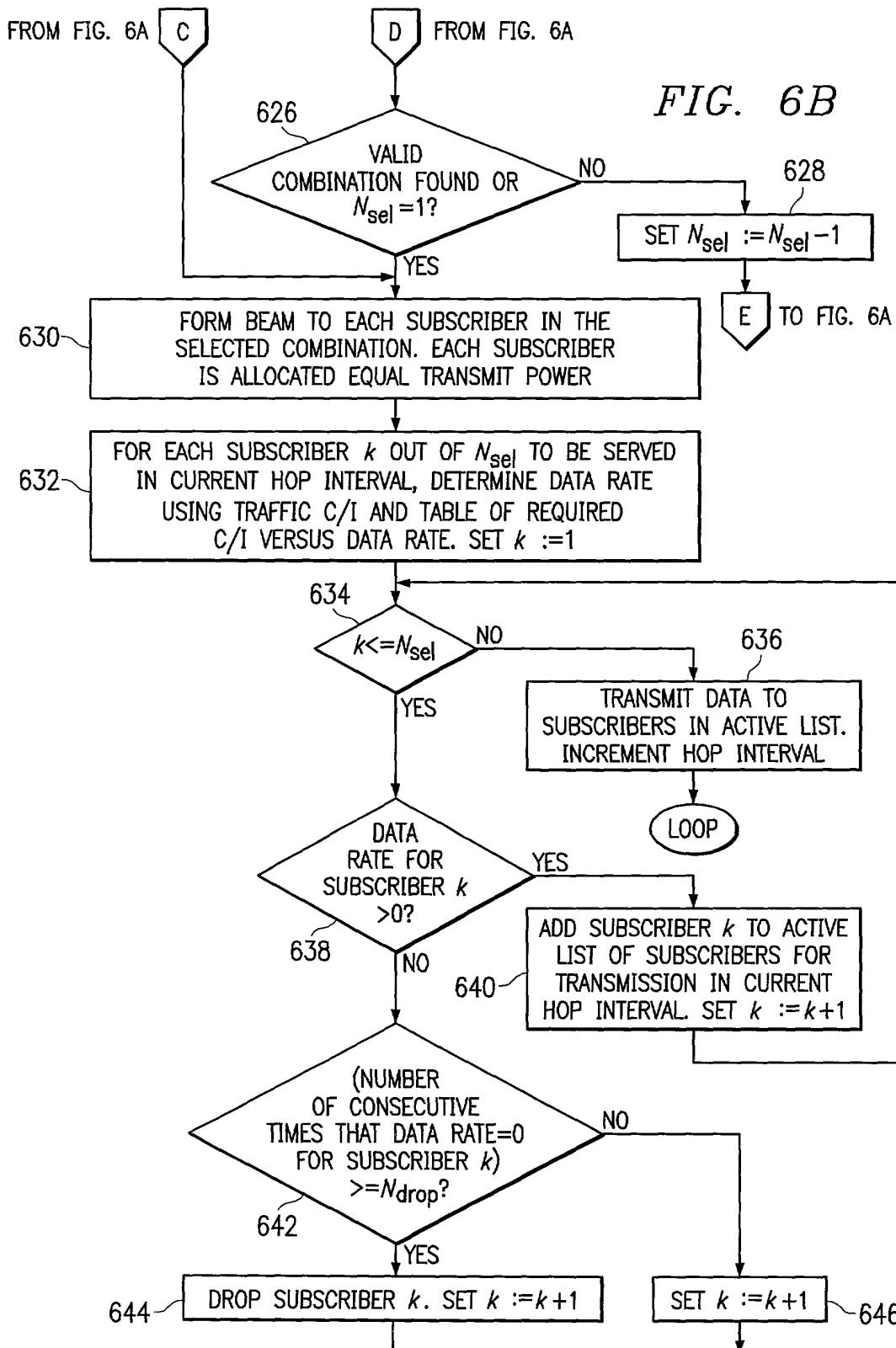
SET $k := k + 1$

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FIG. 7

